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KENTUCKY WEEKLY CROP & WEATHER REPORT



Prepared in Cooperation with:
Univ. of Ky - Agr'l Weather Center
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AGRICULTURAL NEWS: Rain is needed statewide to maintain crop development. Topsoil moisture is disappearing as many areas have not received rain for weeks and crops are showing signs of stress. **Topsoil moisture** as of Friday, June 24, was rated 33 percent very short, 41 percent short, 25 percent adequate, and 1 percent surplus. **Subsoil moisture** was rated 18 percent very short, 45 percent short, 36 percent adequate, and 1 percent surplus. Another mostly rainless week allowed for fieldwork an average of 6.4 out of a possible 7 days. Sunny days were used to harvest small grains, plant late soybeans, and put up hay.

TOBACCO: The condition of the tobacco crop slipped somewhat, however; disease problems remain minimal. The set tobacco condition was rated 1 percent very poor, 8 percent poor, 27 percent fair, 56 percent good, and 8 percent excellent. As of Friday, June 24, 51 percent of transplants were under 12 inches in height, 41 percent 12-24 inches in height, and 8 percent over 24 inches.

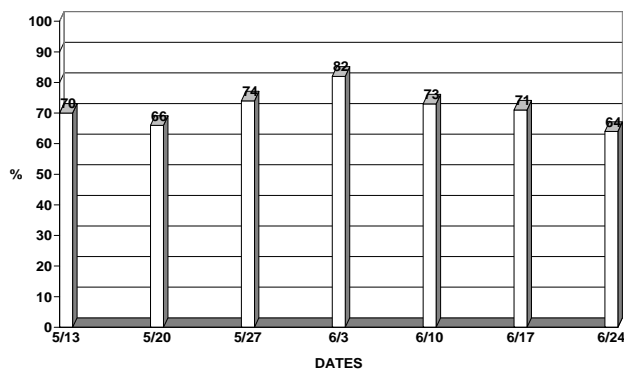
CORN: The corn condition declined due to dry soil conditions with 1 percent very poor, 5 percent poor, 23 percent fair, 49 percent good, and 22 percent excellent. There were several reports of corn twisting due to lack of moisture. Sixteen percent of the corn has tasseled as of Sunday, June 26, well behind 47 percent for last year and the 5-year average of 34 percent. Nine percent of the corn was silking, compared to 32 percent a year ago and the average of 19 percent.

SOYBEANS: As of Sunday, June 26, 70 percent of the double-crop soybeans had been planted, well ahead of both last year's 57 percent and the average of 59 percent. Producers have wrapped up planting of single-crop soybeans. Emerged soybeans were rated 1 percent very poor, 3 percent poor, 24 percent fair, 52 percent good, and 20 percent excellent. Average height of emerged soybeans was 12 inches. Recently planted double-crop soybeans will need rain soon for germination.

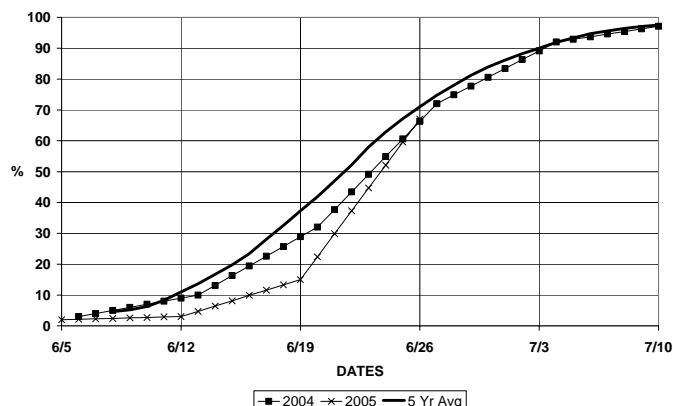
SMALL GRAINS: Wheat harvest swiftly caught up with last year with 67 percent completed as of Sunday, June 26, compared with 66 percent a year ago. The average was 71 percent. Barley harvest is drawing to a close with 97 percent completed by Sunday, June 26, the same as last year and one percent ahead of the average of 96 percent.

OTHER CROPS: Sorghum planting is almost complete with 95 percent of the crop planted compared to 86 a year ago and the 5 year average of 91 percent. The clear weather allowed farmers plenty of opportunity to cut and bale hay. Pasture condition is rapidly deteriorating with 9 percent very poor, 14 percent poor, 40 percent fair, 33 percent good, and 4 percent excellent as of Friday, June 24.

BURLEY TOBACCO CONDITION
%Good to Excellent



WHEAT PERCENT HARVESTED



KENTUCKY CROP PROGRESS

WEEK ENDING JUNE 26, 2005
WITH COMPARISONS

Crop Stage	This Week	Previous Year	5-Yr. Avg.	Previous Week KY	U.S.
Percentage					
Corn Tasseling	16	47	34	NA	NA
Corn Silking	9	32	19	NA	NA
Soybean Emerged	94	72	74	85	92
Soybean Blooming	0	4	7	NA	NA
Sorghum Planted	95	86	91	90	82
Wheat Harvested	67	66	71	15	22
Barley Harvested	97	97	96	95	NA

(NA)Data Not Available.

SOIL MOISTURE

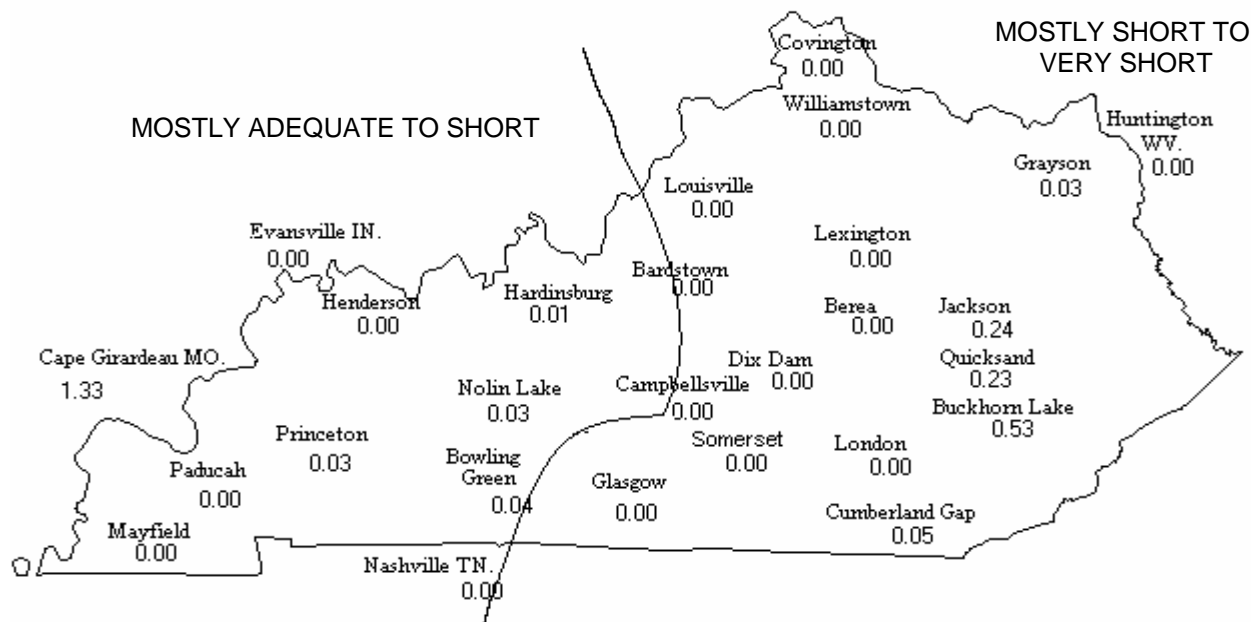
WEEK ENDING JUNE 24, 2005
WITH COMPARISONS

	This Week	Previous Week
Percentage		
TOPSOIL		
Very Short	33	15
Short	41	28
Adequate	25	53
Surplus	1	4
SUBSOIL		
Very Short	18	10
Short	45	30
Adequate	36	58
Surplus	1	2

KENTUCKY CROP CONDITIONS (Percent)

WEEK ENDING JUNE 24, 2005						WEEK ENDING JUNE 17, 2005				
CROP	VERY POOR	POOR	FAIR	GOOD	EXCEL-LENT	VERY POOR	POOR	FAIR	GOOD	EXCEL-LENT
Corn	1	5	23	49	22	0	3	16	52	29
Soybeans	1	3	24	52	20	0	2	14	63	21
Pasture	9	14	40	33	4	2	6	35	47	10
Tobacco	1	8	27	56	8	0	3	26	58	13

PRECIPITATION MAP FOR WEEK ENDING SUNDAY, JUNE 26, 7:00 P.M. TOPSOIL MOISTURE DELINEATION FOR WEEK ENDING FRIDAY, JUNE 24, 2005



KENTUCKY WEATHER SUMMARY, JUNE 20 - 26, 2005:

Near Normal Temperatures and Below Normal Precipitation:

Warm, dry weather continued across the Bluegrass State for another week. After a pleasant start to the week with lows in the 50's and highs in the lower 80's, summertime heat moved in again. Despite temperatures near 90 degrees, conditions were relatively comfortable as dew points were in the 50's keeping relative humidity values near 30% during the afternoon. By the end of the week, a southerly flow returned to Kentucky bringing more humid air. Highs during the weekend were in the lower to middle 90's. However, with increased amounts of moisture in the air, some isolated thunderstorms did flare up across localized parts of the State. Eastern Kentucky did get some measurable rain on Monday, but most areas remained dry.

Temperatures for the period averaged 76 degrees across the State which was 1 degree above normal. High temperatures averaged from 90 in the West to 88 in the East. Departure from normal high temperatures ranged from 1 degree above normal in the West to 4 degrees above normal in the East. Low temperatures averaged from 64 degrees in the West to 62 degrees in the East. Departure from normal low temperature ranged from 1 degree below normal in the West to 2 degrees below normal in the East. The extreme high temperature was 96 degrees in Grayson. The extreme low temperature was 53 degrees in Covington. Rainfall for the period totaled 0.09 inches statewide which was 0.80 inches below normal. Precipitation totals by climate division, West 0.23 inches, Central 0.01 inches, Bluegrass 0.00 inches and East 0.13 inches, which was 0.63, 0.90, 0.88 and 0.78 inches respectively from normal. By station, precipitation totals ranged from a low of 0.00 inches at most locations to a high of 0.24 inches at Jackson.

Tom Priddy

KENTUCKY TEMPERATURES AND RAINFALL

FOR WEEK ENDING SUNDAY, JUNE 26, 7:00 P.M.

Weather Station	Rainfall			Deviation From		Air Temperature				Growing Degree Days		
	Last Week	Since April 1	Last Four Wks	Norm Since Apr. 1	Norm Last 4 Wks	High	Low	Wkly. Avg.	Dev. From Norm	Last Week	Since Apr. 1	Dev. Since Apr. 1
	(Inches)					(Degrees Fahrenheit)						
Bardstown	0.00	11.41	2.57	-0.11	-0.89	93	57	74.6	+0	159	1324	-13
Berea	0.00	8.91	1.08	-3.58	-2.65	93	57	75.4	+2	165	1406	+38
Bowling Green	0.04	9.63	1.39	-3.24	-2.54	94	58	76.0	+1	168	1382	-12
Bristol	0.94	10.88	3.76	+0.61	+0.44	89	55	71.3	-2	145	1209	-41
Buckhorn Lake	0.53	8.29	1.86	-3.17	-2.00	93	59	74.6	+1	162	1326	+128
Cape Girardeau	1.33	11.40	3.25	-1.23	-0.09	94	57	77.4	+1	174	1431	-20
Campbellsville	0.00	11.65	2.80	-1.89	-1.14	94	58	75.4	+1	163	1391	+49
Covington	0.00	7.07	1.81	-4.29	-1.79	93	53	75.3	+2	163	1206	+12
Cumberland Gap	0.05	6.02	0.84	-6.56	-3.16	93	58	74.5	+1	161	1325	+101
Dix Dam	0.00	9.40	1.72	-2.74	-1.77	93	57	75.3	+2	162	1331	-6
Evansville	0.00	9.29	4.88	-2.50	+1.55	93	58	76.9	+0	171	1345	-19
Glasgow	0.00	12.72	3.04	-0.88	-1.27	94	58	75.8	+1	163	1492	+184
Grayson	0.03	8.94	1.36	-2.28	-2.24	96	59	75.6	+2	164	1326	+189
Hardinsburg	0.01	9.41	2.67	-3.05	-0.93	93	55	75.9	+1	167	1361	-33
Henderson	0.00	9.29	2.20	-2.80	-1.38	94	57	76.4	-0	167	1383	-11
Huntington	0.00	8.53	1.03	-2.54	-2.45	97	58	75.9	+2	163	1334	+110
Jackson	0.24	12.45	2.48	+0.56	-1.12	91	60	74.8	+1	164	1358	+160
Lexington	0.00	8.17	2.06	-3.35	-1.40	94	57	75.4	+2	163	1261	+41
London	0.00	9.80	1.80	-1.52	-1.61	92	57	73.6	-0	155	1266	+42
Louisville	0.00	9.66	1.59	-2.19	-1.71	93	58	75.6	+1	163	1315	-49
Mayfield	0.00	7.52	3.05	-5.46	-0.19	93	58	75.2	-1	165	1343	-112
Nashville	0.00	10.56	2.60	-1.78	-0.81	94	62	77.0	+2	179	1487	+6
Nolin Lake	0.03	10.48	2.02	-2.93	-1.73	94	57	75.9	+1	167	1388	+103
Paducah	0.00	8.76	3.39	-4.70	-0.44	92	57	77.5	+1	176	1455	+4
Princeton	0.03	9.14	2.99	-3.96	-0.67	94	57	76.6	+0	170	1476	+52
Quicksand	0.23	10.82	2.14	-1.07	-1.46	93	60	74.9	+1	163	1331	+133
Somerset	0.00	11.15	2.79	-1.94	-1.21	93	59	74.9	+1	161	1300	-11
Spindletop	0.00	6.36	1.28	-5.16	-2.18	95	55	75.1	+1	160	1227	+7
Williamstown	0.00	7.56	1.91	-4.27	-1.64	93	55	75.2	+1	163	1229	+9

The above information is provided by Tom Priddy, Kentucky Extension Agricultural Meteorologist, University of Kentucky Agr'l Weather Center (859)257-3000 ext 245. E-mail: priddy@uky.edu Additional Ky weather data available on Internet at: <http://www.wgwx.ca.uky.edu/>

DEFINITIONS OF PHENOLOGICAL STAGES USED IN SUBSEQUENT RELEASES

CORN PHENOLOGICAL STAGES:

- Silking - The emergence of silk like strands from the end of ears. Occurs approximately 10 days after the tassel first begins to emerge from the sheath or 2-4 days after the tassel is emerged.
- Dough - Normally half of the kernels are showing dent with some thick or dough like substance in all kernels.
- Dent - Occurs when all kernels are fully dented and the ear is firm and solid. There is no milk present in most kernels.
- Mature - Plant is considered safe from frost. Corn is about ready to harvest with shucks opening and there is no green foliage present.

SOYBEAN PHENOLOGICAL STAGES:

- Blooming - A plant should be considered as blooming as soon as one bloom appears.
- Setting Pods - Pods are developing on the lower nodes with some blooming still occurring on the upper nodes.
- Dropping Leaves - Leaves near the bottom of the plant are yellow and dropping, while leaves at the very top may still be green. Leaves are 30-50 percent yellow.

SORGHUM PHENOLOGICAL STAGES:

- Headed - The head is present, visible and fully emerged.
- Coloring - The head is turning color from green to reddish brown or white. Leaves are also turning yellow or brown.
- Mature - Grains readily part from the head and are tough and not easily crushed by the thumbnail.

This release and others can be viewed on the Internet at <http://www.nass.usda.gov/ky/> For a free E-Mail subscription of the Kentucky Weekly Crop & Weather report, on the Internet go to <http://www.nass.usda.gov/sub-form.htm> and follow the instructions.
